

12251 UNIVERSAL, TAYLOR, MICHIGAN 48180, TEL. (313) 946-0900 International Specialists in the Environment



MEMORANDUM

DATE:

June 8, 1994

TO:

Mike Mangini, Project Manager, E & E, Chicago, IL

FROM:

Herbert B. Langer, TAT-Chemist, E & E, Detroit, MI

THRU:

Sandra L. Basham, ATATL, E & E, Detroit, MI

SUBJ:

Asbestos Analysis Data Quality Assurance Review, Selesian Prep. Site, Cedar Lake, Lake County, Indiana

REF:

Analytical TDD: T05-9405-811 Project TDD: T05-9405-015 Analytical PAN: EIN0821AAA Project PAN: EIN0821SAA

The data quality assurance review of the fiber sample collected from the Selesian Prep site in Cedar Lake, Indiana has been completed. Determination of Asbestos in bulk samples by Polarized Light Microscopy was performed by STAT Analysis Corporation, Chicago, Illinois.

The sample was numbered 1 corresponding to laboratory number 18603.

Data Qualifications

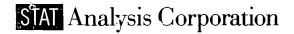
I Holding Time: Acceptable

The sample was collected May 17, 1994, and analyzed May 24, 1994. The OSWER Directive 9360.4-01 does not include criteria regarding holding times for this method.

II Overall Assessment of Data for Use: Acceptable

There are no criteria specified in the U.S. EPA OSWER Directive 9360.4-01 for the determination of asbestos in samples. The analytical method adopted by the laboratory uses visual comparison of the sample material with standard samples to determine the presence, type, and amount of Asbestos in the sample. Based on the analytical method, the data is considered acceptable for use as reported.

recycled paper



2201 West Campbell Park Drive Chicago, Illinois 60612-3501 312.733.0551 Fax: 312.733.2386

AIHA Accredited #337, NIST/ NVLAP Accredited #1202

POLARIZED LIGHT MICROSCOPY RESULTS

ECOLOGY & ENVIRONMENT

STAT Client: 809 STAT Batch: 18603

Report Date: May. 24, 1994

Date Received: May. 20, 1994 Date Analyzed: May. 24, 1994

Client Reference: Proj. #EIN0828FAA

% TYPE OF NON-ASBESTOS
SAMPLE # ASBESTOS COMPONENTS COMMENTS

1 50-60% TREMOLITE

MMMF: Man Made Mineral Fibers

--- : Below detection limits by PLM methodology

ANALYTICAL TDD: 705 9405 61/

NON-CLP SUPERFUND ANALYTICAL SERVICES TRACKING FORM

LABOR PAN #: GIN 082

PROJECT MGR.: REG. 5

Sampling Period

A separate form should be completed for each sample group, which is defined as a group of samples that are associated with a unique site, field team, sampling period, and laboratory (if applicable). The number of samples contained in each sample group is

		 	\mathcal{D}	01 /	4 5 /	cho	<i>j</i> ·)	
Į.	Site name, city, state: 5	VICSIC	in li	Ep 1	ICA L	420	1 WALL	ana
2.	Type of activity (check all that] LSI
							•	NPL Delisting
	[] Removal Site Eval. [] [il Response	[] U	ST Respo	inse .	
	[] PRP Oversight [] (Other, specif	y		. ,			
3a.					•		•	i 5b.
	[Fixed laboratory (L)	[] Fieldable	e ednibweut	{F} [Temporary	On-site la	boratory {T}	
٠.	[] Mobile laboratory (M) Laboratory name (if applicable	[] Portable	ednibweut	(P) (Other (O)	, specify	1 · C · O=	, 1)
3b.	Subcontractor laboratory (if applicable	onlicable)	 	.,	City, sta		The style	
.∸ત.	Funding lead: Superfund			[] Oth [].Oth	ier Federal A	-		
4 b.	[] PRP Field Contract (Superfund lead			[] ERCS				[] TES
			ESAT	[]Other,	_			(,,
	Contractor Company (CC)	xxx + F	MACO	nat.	. ,			
5a.	Total number of samples ana	O'			,··			**
5b.	Specific Analysis Information (al pages if n	ecessary to ide	ntify all analy	ses):		·
		Facility			Sample P	reparation		Analysis
Ĭ	Analysis Type (e.g., VOAs, Metals, PCBs)	Code (see 3a)	Matrix	#Samples	Source &	Method a	# Source	e & Method #
 -	(e.g., vors, Metals, FCBs)	1 /		<u> </u>	(II hone,	i je	1 (11.1101	ie, albwer Je.)
<u></u>	4500505		12/14	<u> </u>	Nave			13
	1					1		
						1.	<u> </u>	
	· .	<u> </u>						
	Line of the state			٠.				,
<u> </u>		*#Samples	= #Samplin	ng Points + #	Field OC San	nnies		المستطيح
		•	•		•			
52.	If non-standard methods were detection limits used. ($Y = ye$				ince data are	available	tor the matric	es, analytes, and
	Non-standard sample preparat	ion/cleanup	techniques:		<u>M</u>	atrices	Analytes	Detection Limits
	,					· · ·		
				· ·				
					• •	- 1		
	Non-standard analytical metho	ds:				Λ [۱ ۸	[14
	HUCSTOS				:	<u> </u>	$\overline{10}$	MA
	<i>, , , , , , , , , , , , , , , , , , , </i>				. 1			

NON-CLP SUPERFUND ANALYTICAL SERVICES TRACKING FORM

	ó.	Reasons for scienting non-CLP in									<i>(</i> -	e de la		
		[] Proximity to site Dire	e of sec	action v	MIU 130		ouidire !	carame	er enai	iziz À	d Cost s	avings		
		[] Product control XEns	יכל !חכמו	ious tot	further	ייוע	• •**** bab	erwork		Į	Neinc	od flexibi	hty	
		[1] Other, specify							٠.,					
	•	•												
	7.	Are the environmental data from				*							٠	
		[] No - Don't Know	[]Y	්ස, කා	ained o		[]PC	[]]	Mainíra	me (inc	auding i	minicom	oniciz)	
٠	8.	For laboratory analyses, what was	the tur	narcun	d time?	<u> </u>	days	Was i	mei?	KYE	i [] i	fo []	Don't K	Laaw
	9 a .	Document(s) where sampling, and	alytical,	and QC	tedniu	emenu	are defi	ned (ch	eex ail	that ap	piy):			
		[] QAPJP [] SAP \$									· .			
	96.	Document(s) approved by: []		,										
	9c.	For each analytical facility/equipm documents (Def) and whether con										etinea in	the ab	ove
			Fixe	d lab	Mabi	ie lab	On-Si	ie iab	Field	iable	Por	table	Oi	her
			Def	Met	Def	Met	Def	Met	Def	Met	Det	Met	Def	Met
	A	arytical Method(s)	V	1			i			·	<u> </u>			
	\vdash	mple preservation & handling		 			<u> </u>				<u></u>	<u></u> -	<u> </u>	
	-		70	17	! 		<u> </u>			<u>!</u>	<u> </u>	<u> </u>	<u></u>	
	Sai	nple chain-of-custody	1	! /· i			1	'		<u>! </u>	<u> </u>	<u> </u>	<u> </u>	
	Sar	note holding times	//	!		•	<u> </u>		XX	XX	XX	XX		
	De	tection/quantification limits	$/\vee$											
	Eq	uipment maintenance/calibration	\mathcal{N}	1		·					<u> </u>	<u> </u>		
	Do	cumentation -	4	*/						.		1	!	
	Fre	quency & type of QC samples									ľ			
		Y = yes $N = no$	R = 0	iata noi	וניאכש	ed for t	nis crité	con (o	niv app	 ::===:::::::::::::::::::::::::::	or Mei	ומותוחום		<u></u>
		•		. c			.·	·						
	10.	Was the laboratory audited as par LA EPA or EPA Contractor		-	nd pun oN[]			() Da	n't Kn	~				
		Commenus:	() rr	· ·	(1140	. Audit	-u	() DC	on t _. Km	⊒w				
					/-		,							
	lla.	Were data reviewed for technical			1 XXe		[] No (-	-	TA	<u> </u>	CH.C	1 .	
	116.	Reviewed by: [] ESD/ESAT Extent of data review: [YFuil		User	(\frown)	of the	specify	attiliati	on —),,,	<u> </u>			
•	IIc.	Extent of data review: [] Full				% of th								
	ıid.	Review criteria used: [] CLP Nat												
		MONOC					ics (ER	T Guid	lance;					
		(] Other, sp	ecify _			· 					·			
	12	Were the quality and quantity of o	data suu	ificient	in meer	the in	enden r	ינונריאי. 	,	_				
	٠	Yes [] No (explain b					rpiain b		•					
		Reason:				,		,				*		
		$\overline{}$,			<u> </u>		1	-		7 .1/	7/2	
Canit	cicted		<u> </u>	401	JeV	· ·	1	<u> </u>	41		• • • • • •	4 1º	1190	<u> </u>
		recycled paper recycled paper		ເນເນດ ຄົນ	չն ∧քնև	ation 43			ecology	 and env	ironmen		ate	
		· papa						ec	cology a	nd envir	onment			

0 1

STAT Analysis Corporation

2201 West Campbell Park Drive Chicago, Illinois 60612-3501 312.733.0551 Fax: 312.733.2386

AIHA Accredited #337, NIST/NVLAP Accredited #1202

POLARIZED LIGHT MICROSCOPY RESULTS

ECOLOGY & ENVIRONMENT

STAT Client: 809 STAT Batch: 18603

Report Date: May. 24, 1994

Date Received: May. 20, 1994 Date Analyzed: May. 24, 1994

Client Reference: Proj. #EIN0828FAA

SAMPLE # ASBESTOS COMPONENTS COMMENTS

50-60% TREMOLITE

MMMF : Man Made Mineral Fibers

--- : Below detection limits by PLM methodology

• DRAFT DOCUMENT •
NOT VALIDATED

SENT BY: ECOLOGY AND ENVIRONMEN; 5-19-94 9:17AM; 3126631090+

m Ecol		Analytical I			312	1	733-0	57	386
cn: Mar 5747 2201 V	11. 60604 Rips Analysi U. Cakros	s Corp. bed Pade Dorn b 0 6 12	ito		pend to slogy \$1 312-	計算: 1度 風の 663:	request by	hading the	
S.C.	DIPAN: _I	05- 4405-811		S.P		Chair.			
d Deadline:	5//4	194 10:00 a	F- B	elimecard	Sample	Reo	elpt Dele:	5/20/	7 sep
Nursber of Semples	Mestrix	Paramented	hod	THE DEPOSITE OF	UPPERTA.	Median in	rna ers Copy	MSMISO	Denagero Lizzalia
Management of Control of Control	esbertos d	estate - PLM		SECRETARION EXPENDING	day	21 calindar		NO	Method
					-	entracement of	THE RESERVE OF THE PERSON NAMED IN	promotes and a street	describes y segmentes esta
		-3 -54 04 1	A spile						MATERIAL - TRANSPORTAÇÃO
		obwer Qa La							
se Attachm	ents for D4	altiversisis Requirements		ireakék	PART				and the state of t
his &elebon	ents for D4	Miverable Requirements oned by Laborabry Lim Same Analysis	erte alt Price S	Sun	charçes	Annahira - Street			The same of the sa
his &eation	nents for 54 to be Comp	Myerabie Requirement specify Laboratory Lim Base Analysis Cost	erie Aush Turn	Sun	and the production	Annahira - Street	Other 14 day	The second second second second	tal Unit
Paremeter/ Method	mersta for De to be Compi	Myerabie Requirement specify Laboratory Lim Base Analysis Cost	erie Aush Turn	Sun	charçes	Annahira - Street	PROGRAMMENT AND RESIDENCE	The second second second second	Cest
Paremeter/ Method	mersta for De to be Compi	Myerabie Requirement specify Laboratory Lim Base Analysis Cost	erie Aush Turn	Sun	charçes	Annahira - Street	PROGRAMMENT AND RESIDENCE	The second second second second	Cest
Paremeter/ Method	mersta for De to be Compi	Myerabie Requirement specify Laboratory Lim Base Analysis Cost	erie Aush Turn	Sun	charçes	Annahira - Street	PROGRAMMENT AND RESIDENCE	The second second second second	Cest
Parameter/ Method PLM AVQC Coefferic C Data Pe	Mastrix Asherias	Myerabie Requirement specify Laboratory Lim Base Analysis Cost	Push Turn	Semple (MS/M	80	14 da		Const.

SNEY 19494 1985 SP Corporation

2201 West Campbell Park Drive Chicago, Illinois 60612-3501 312 733.0551 Fazz 312 733.2386 AIHA According #337, NIST! NVLAP According #1202

FAX TRANSMITTAL FORM

TO:	To: Mary Ripp
COMPANY:	E + E !
PAX NUMBER:	312/663-1090
FROM:	Seatt Rolliff
DATE:	5/K/91/
	(Including Transmittal Sheet) 2

Please call (312) 733-0551 if transmittal is incomplete.

Mary Call : A Questions
Thates
Som



111 W. JACKSON BLVD., SUITE 1200, CHICAGO, ILLINOIS 60604

INTERNATIONAL SPECIALISTS In the ENVIRONMENT

PHONE: (312) 663-9415

TELECOPIER: (312) 663-1090

TELECOPIER TRANSMISSION FORM

DATE:	5/19/94	TIME: 9:07	TOTAL NO. OF PAGES: _ (including this form)	4
го:	ELizaber	h		
COMPANY:	Star	+ Analysis		
ROM:	MARY R	رام ا		
			he bottom half of the ana	
if any.				
	A A			
		For Operator	's Use Only	
JOB CHAR	GE:			
ENT BY				

Analytical Bid Request/Analysis

Chicago, IL 6 Attn: MARY To: STAT A 220 W. C Chicago, Attn: Eliza Analytical TDD/PAR S. C. Bid Deadline: Number of Matr Samples asbest Chicago, Attn: Eliza Analytical TDD/PAR S. C. Bid Deadline: Asbest Asbest Parameter/	0604 2 ipp alysis 2 ampb L beth 1: TO 5/19/	Parameter/Me Swer QA Le liverable Requiremented by Laboratory	P P P P P P P P P P P P P P P P P P P	Project TE S. /	312- 312- 312- DD/PAN	this requesed the second Environment of the second Environment of the second of the se	ate:	s/MSD	completed	
Attn: MARY 220 W. C Chicago Attn: Eliza Analytical TDD/PAR S.C. Bid Deadline: Number of Matr Samples asbest Asbest Parameter/	Legis and Legis Le	Parameter/Me SWER QA Le liverable Requiremented by Laboratory	P P P P P P P P P P P P P P P P P P P	Project TE S. /	DD/PAN Sample Turnarou	e Receipt D	ate:	5/20/ S/MSD	94 Detection Limits	
Attn: Eliza Analytical TDD/PAR S.P. Bid Deadline: Number of Matr Samples Asbes Parameter/ Parameter/	beth 1: TO 5/19/	Parameter/Me SWER QA Le liverable Requiremented by Laboratory	ethod Figure 1	Project TE S.F. stimated	312- DD/PAN Sample Turnarou	E Receipt Double Hard Co	ate:	S/MSD	Detection Limits	
Attn: Eliza Analytical TDD/PAR S. P. Bid Deadline: Number of Matr Samples asbes asbes Attachments Parameter/	beth 1: TO 5/19/10 ix los a. O complete	Parameter/Messbestos — PLM SWER QA Le liverable Requiremented by Laboratory	ethod ethod	Project TE S./r stimated	DD/PAN Sample Turnarou II/FAX	e Receipt Dound Time Hard Co	mate:	S/MSD	Detection Limits	
Attn: 2/3/4 Analytical TDD/PAP S.P. Bid Deadline:	beth TO 5/19/	Parameter/Messbesslos — PLM SWER QA Le Iverable Requirements State of the parameter of t	ethod wel II	S.F. Stimated	Grander Grander Grander Grander	e Receipt Dound Time Hard Co	Dy M	S/MSD	Detection Limits	
Number of Matr Samples Ashes	5 19 A	Parameter/Messbesslos — PLM SWER QA Le liverable Requirements ated by Laboratory	ethod wel II	S.F. Stimated	Grander Grander Grander Grander	e Receipt Dound Time Hard Co	Dy M	S/MSD	Detection Limits	
S.P. Bid Deadline: Number of Matr Samples Asbes Asbes Bee Attachments This Section to be of the section to be	5 19	Parameter/Messbesslos — PLM SWER QA Le liverable Requirements ated by Laboratory	ethod wel II	S.F. Stimated	Grander Grander Grander Grander	e Receipt Dound Time Hard Co	Dy M	S/MSD	Detection Limits	
Number of Matr Samples asbest Asbe	os a.	Parameter/Me sbestos — PLM SWER QA Le liverable Requirementation	ethod wel II	Verba	Sample Furnarou M/FAX	und Time Hard Co	Dy M	S/MSD	Detection Limits	
of Samples Ashes Ashes Bee Attachments This Section to be of the Section to the Sec	os a.	SWER QA Le	wel. II	Verba	UFAX	Hard Co	ру		Limits	
Samples ashes Bee Attachments Parameter/	os a.	SWER QA Le	wel. II	14 cal	lender	21 colens	ру		Limits	
See Attachments This Section to be	o lor Del	SWER QA Le	wel. II		,			No	Method	
This Section to be	or Del	Iverable Requirements	nents	reakdo						
This Section to be	or Del	Iverable Requirements	nents	reakdo						
This Section to be	or Del	Iverable Requirements	nents	reakdo						
This Section to be	Comple	eted by Laboratory		reakdo						
A A	trix	Dana Analysis		Surcharges				Tak		
		Base Analysis Cost	Rush Turnaround		MS/M	SD Oth	er		al Unit Cost	
						1 2 Example 1				
QA/QC Costs Blank: QC Data Package:										
		OVE: (explain on separat	te form if necess	ary)						
Is Your Company Small Business: Small Disadvantag Woman-owned Bu What County Is Yo	ed Bus siness:	Y N siness: Y	ON O	N II	D#:					
	ur Bus	IIIESS LUCAIEU III! —			36 35 35 35 35					

coalogy and savironment inc.

From Reclear & Profession Inc. 111 West Jackson Bivd., 12th floor Chicago, IL 60604 Attn: Mary Righ To: CAC 140 Bast Ryan Rad Out. Creek, WI 53154 Attn: Le Ann Senger				Phone 8: 414/164-2007 FAX 8: 4/4/164-0486 Please respond to site recurrent by leaving the complete town to Ecology and Environment, inc. Phone 8: 312-663-1090 FAX 8: 312-663-1090				
	DD/PAN:	TOS _ 9405-8		Project TOO/PA S.P.		5/201	74	
PARTITION OF	Montrix	Ferantement	destroy.	Turners	send Tame		Perlament	
Serroine		Married Shipper and a School Section of the	type water the state of the sta	Verbul/FAX	Hard Copy	MS/MS	Dishingside Listolica	
	aryens,	acketa - Pl	*	14 calendary	21 reliation	No	Mederal	
or an in Automobility of the	AND MARKS AND THE	Myerebie Resultes	CONTRACTOR OF STREET		Manager Commission of the Comm	Contract of the Contract of th		
Ne Section New Color New York PA	Mastx Simple	Bases Armiyala Cases	Mult Price B	Subrerges Found MEAN = 34/R	SO Oper	And the second second second	d Urk	

RCV BY: XEROX TELECOPIER 7010 ; 5-19-94 10:52AM ; CCITT G3+ MAY-19-1994 10:50 FROM CHEM BIO TO 13126631090 P.01 ENVIRONMENTAL LABORATORIES COMPANY NAME CONTACT NAME SENDER: DESCRIPTION: The information contained in this facsimile message is intended only for the personal and confidential use of the designated recipient(s) named above. This message may be a consultant-client communication, and as such is privileged and confidential. If the resider of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that you have received this document in error, and that any review, dissemination, distribution or oppying of this message is strictly promitited If you have received this communication in error, please notify us immediately by telephone, and return the original message to us by mail at our expense. Thank you. NUMBER OF PAGES: (Including this page) DATE SENT: IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, FLEASE CALL CBC ENVIRONMENTAL LABORATORIES, INC. (414)768-7460 IMMEDIATELY.

FAX NUMBER:

(312) 663-1090

(IG-CONFORMS)FAXCOVER



111 W. JACKSON BLVD., SUITE 1200, CHICAGO, ILLINOIS 60604

INTERNATIONAL SPECIALISTS In the ENVIRONMENT

PHONE: (312) 663-9415 TELECOPIER: (312) 663-1090

TELECOPIER TRANSMISSION FORM

DATE: _	5/19/94	TIME:		TOTAL NO. OF PAGES: _ (Including this form)	4
то:	Le Ann S	Rager			
COMPA	NY: CBC				Acceptance of the second
TELECO	PIER PHONE NO.	Ripp			
SPECIAL				ttom half of the an	
if an		ude costs fo	or QA/QC pack	ages and sample dis	posal costs,
		For	Operator's Use	Only	
JOB CH	ARGE:				
CENT D					

Analytical Bid Request/Analysis

Fcol	logy & I	Environment, Inc.		hone #:	4	14/	764-	7005	
111 West	Jackson	n Blvd., 12th fl		AX #: _		14/		0486	
Chicago, Attn: MA o: CBC 140 Eas Oak (140 East Ryan Road Oak Creek, WI 53154. ttn: Lo. Ann Seager				312-	ind Er - 663	request by	y faxing the	completed
Attn: Le Analytical TD S.C.	D/PAN: _	Seager T05- 9405-811	Р	Project TI		l: <u> </u>	05-		
Bid Deadline:			E	stimated	Sampl	e Rec	eipt Date:	5/20/	94
Number of	Matrix	Parameter/Me	ethod	Turnaround Time Verbal/FAX Hard Copy		MS/MSD	Detection Limits		
Samples	asbestos	asbestos - PLM		. /			ard Copy whenha	No	Method.
					5				
								MARKET SALES	
		OSWER QA LO	wel I				400		
NAME AND ADDRESS OF THE OWNER, WHEN PERSON NAMED IN	THE RESERVE AND ADDRESS OF THE PERSON.	Deliverable Requiremental Deliverable Republication Republication Requiremental Deliverable Republication Republicat	ients						
This Section Parameter/	THE RESERVE AND ADDRESS OF THE PERSON.	Deliverable Requirements Inpleted by Laboratory Ul Base Analysis	nents	Sur	charges			THE RESERVE THE PARTY OF THE PA	al Unit
This Section	to be Con	Deliverable Requirements of the property of th	ients	Sur			Other	THE RESERVE THE PARTY OF THE PA	al Unit Cost
This Section Parameter/	to be Con	Deliverable Requirements Inpleted by Laboratory Ul Base Analysis	nents	Sur	charges		Other	THE RESERVE THE PARTY OF THE PA	
Parameter/ Method QA/QC Cost Blank: QC Data Pac	Matrix ts	Deliverable Requirements Inpleted by Laboratory Ul Base Analysis	Rush Turn	Surple Cother:	MS/M Disposal	ISD			Cost

317 290 3566+

3126631090;# 3

05/19/94 •11:14 7317 290 3566 MICRO AIR INC ecology and environment inc. Analytical Bid Request/Analysis 317/293-1573 Phone st _ From Ecology & Environment, Inc. 111 West Jackson Blvd., 12th floor 317/290-3566 FAX 8: .. Chicago, IL 60604 Please respond to this request by faxing the companies form to Ecology and Environment, Inc. Atta: MARY RIPA To Micro Air Inc Phone = 312-663-9415 312-663-1090 7132 Lakeview West Perkinen Indianamis Aten: Joe Ledlie aun5-811 Analytical TDD/PAN: TO5-Project TOD/PAN: _ICE_ Estimated Semple Receipt Date: 5/20/94 Bid Description: ... Nurces Tumeround Time Dawncion of Parantenent/Mediacci Medicin Livreits Verbai/FAX Hard Copy Samples Winder 2 alche asioeshis Lasherius - YLM Moderal day 105WER GA Level I Bee Altigoristianics for Deliverable Redukraments This Section to be Completed by Exboratory Unit Price Breekdown Surchargee Permitted! Base Analysis Torsab Limit MARITIM Method Cagt Rush Turnsround | MS/MSD Chrose Cold + 5,00 FLM 224 his GAVOC Coets BORNC . Sample Discount! QC Data Package: Other: __ Other Cost Not Listed Above: (expent on separate form if pecessary) by Your Company Classified as: Smati Business: 🖫 Y Small Dissovantaged Business: AN De: Woman-owned Bushness: DY

MaRION What County is Your Susiness Located in?

Chin & Souther, Jaboratery man,

Did Total 38,00 BALLINA BALL



71.52 LAKEVIEW PARKWAY W. DRIVE, INDIANAPOLIS, IN 46268

Indovinan Quality
Ventiletion Design
Asbestos Surveys
Sulk Ansuras
An Monitorina
Industrial Hystene
Epidamiology
Merebiology
Pladon Testing

FROM: Bid This transmission including the cover slices, will be 2 pages in length. Comments: Co					-
This transmission including the cover sheet, will be a pages in length. Comments: Endowed please for a bod of the same of the	C-19	1-94	- En	e man X	
This transmission including the cover sheet, will be a pages in length. Comments: Endowed please for a bod of the same of the	DATE:	Riper / Eca	Logy		
This transmission including the cover sheet, will be pages in length. Comments: Endowed please for a bod for the same sheet.	TO: man	Darch Saich			
This transmission including the cover sheet, will be	FROM:	0			
This transmission including the cover sheet, will be	RE:B	d			
Comments: A GLM Saple.		including the cover shee	t, will be	e bid	-for
	This transmission	Envored p	leave for		
	Comments	m Sople			
	1				
					untion probl

The term "Sick Building Syndrome" refers to a variety of indoor air pollution problems which adversely effect the health of the building occupants.



111 W. JACKSON BLVD., SUITE 1200, CHICAGO, ILLINOIS 60604

INTERNATIONAL SPECIALISTS In the ENVIRONMENT

PHONE: (312) 663-9415 TELECOPIER: (312) 663-1090

TELECOPIER TRANSMISSION FORM

DATE: 5/19/	94 TIME: 8:45 am TOTAL NO. OF PAGES: 4
o: Joe	Ledlie (Including this form)
OMPANY:	icro Air
ELECOPIER PHONE	
	ONS: Please complete the bottom half of the analytical bid include costs for QA/QC packages and sample disposal costs.
if any.	
	For Operator's Use Only
JOB CHARGE:	
CALL DV.	

ECOLOGY & ENVIRONMENT, INC. LABORATORY DATA PACKAGE DELIVERABLE REQUIREMENTS

MISCELLANEOUS ANALYSES

- 1. <u>Case Narrative:</u> -Observations and/or Problems. -Methods used.
- 2. <u>Sample Holding Times:</u> -Extraction dates. -Analysis dates.
- 3. Analytical Results for:
 - · Samples.
 - · Calibration or Standardization.
 - · Duplicates.
 - · Reagent Blank Results.
 - · Spike Recoveries.
- 4. Copies of Raw Data for all Analytical Results.
- 5. Compound Quantitation Calculations: -Dilutions.

-Concentrations.

-Dry weights.

-Etc.

6. Chain-of-Custody: Photocopy of COC form.

ECOLOGY & ENVIRONMENT, INC.

ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO SUBCONTRACTOR ANALYTICAL SERVICES UNDER GOVERNMENT CONTRACTS

- A. DISPOSAL Unless otherwise directed by E & E, the seller shall be responsible for disposition or ultimate disposal of any remaining sample materials in compliance with all applicable Federal, State, and Local laws and regulations. Also, upon E & E's request, the seller shall promptly provide at its' own expense all pertinent information and records to document that such disposition or ultimate disposal has been performed in compliance with governing regulations.
- B. NOTIFICATION The seller shall notify E & E immediately of any circumstances encountered which may impair the satisfactory performance of services in accordance with project specifications (including but not limited to holding time requirements, satisfactory QC spike recoveries and analysis of specified QA samples). Failure to notify E & E in a timely manner and to implement corrective actions as mutually agreed to shall warrant contract termination.
- C. DELINQUENCY It is understood that upon failure by the seller to perform any element of this Order, as outlined in the scope of work, design, specifications, methods of analysis, documentation, and timely delivery of articles or services hereunder, E & E shall make an equitable adjustment to the amount due according to the following schedule:
 - Failure to meet non-standard delivery date shall result in forfeiture of all surcharge or premium price differentials;
 - Failure to meet standard delivery date shall result in a penalty, applied to the total order cost, of 2% for each 24-hour period up to 10 calendar days, and 5% for each 24-hour period thereafter, up to a maximum of 75% total cost reduction. Further failure to meet the requirements of this Order shall constitute Breach of Contract.

2201 West Campbell Park Drive Chicago, Illinois 60612-3501 312.733.0551 Fax: 312.733.2386

AIHA Accredited #337, NIST/NVLAP Accredited #1202

May. 25, 1994

MARY JANE RIPP ECOLOGY & ENVIRONMENT 111 W. JACKSON BLVD. CHICAGO, IL 60604

Invoice #7771

ECOLOGY & ENVIRONMENT

Client Reference: Proj. #EIN0828FAA

STAT Client: 809 Batch Number: 18603

ANALYTICAL FEES - PLM 72 hr. turnaround

1 samples @ \$12.00/sample

\$12.00

TOTAL AMOUNT DUE

\$12.00

INVOICE TERMS NET 30 DAYS

Please send remittance to :

Stat Analysis Corporation 2201 W. Campbell Park Drive Chicago, IL 60612

DK to pay 6/21/94 May J. Lypn

ZT2054-05, EIN0821AAA, 12.00, 27

International Specialists in the Environmental Sciences

PURCHASE ORDER

Ecology and Environment, Inc.	٦	Γ	٦
SHIP Chicago, IL 60604		BILLING SAME AS SHIP TO	
ATTENTION: Mary J. Ripp	١	L	
STAT Analysis Corporation	٦	Our order number must appear on all correspondance, invoices, packing lists, and packages.	95441
2201 W. Campbell Park Dr. To Chicago, IL 60612		TDD MAIL INVOICE IN DU	
Attention: Scott Ratliff	١	SHIP VIA:FOB: TERMS:DELIVERY	REQUIRED:

ITEM IUMBER	DESCRIPTION	QUANTITY	UNIT	AMOUNT
A	Asbestos: Asbestos PLM	1/	12.00	12.00
	QA Level II			
	TAT Verbal: 2 wks/Hard Copy: 3 wks			
	Lab shall be responsible for proper disposal of all samples.			
	Invoices must reflect unit prices and appropriate		***	T WENT
	quantities as indicated herein, and should reference		100 4 24	* 200
	both the Purchase Order number and the TDD number	10000000		
1-2-17	(both are found in the top right-hand corner of the	Charles		A 164-164
	Purchase Order).			The supplication
			autos V	
A STANSON	The control of the co			A CANADA
		\$ 1 min	and the special state of the same of the s	2. 28.95
a lakery				
	All the same property of the same of the s			in the state of th
			1000	
			1.75	
			***	2 · 分录。
			1 1/2	
			20 Pete	
				地 一直

Green: Vendor File Copy
Yellow: Numerical File Copy

BUYER'S SIGNATURE

White: Vendor Copy
Pink: Requisition/Receiving Copy

ecology and environment, inc. PURCHASE REQUISITION

SELESIAN PREP.

Vendor:S7	TAT ANALYSIS Corp.	_ Date: _ 5//7	194	PR No.:	No.:			
Address: 2	4101 W. Campbell Park Dr. HICAGO, IL 60612	_ Ship VIA:		Date Required:				
G	HICAGO, 16 60612							
		Contract No :		Account 27				
S	of Ratiff Phone: 312/733-0551	- College No.	T-811					
Contact:	Phone: Die 155 0551	Project Number/Pr	AN: 2.72054	EIN082	IAAA			
Ship to: Ecol	ogy & Environment, Inc.	_ Billing Address: _	Same as					
	West Jackson Blvd.		4					
	ago IL 60604							
Attention: Fla	ry Jane Ripp			755 V B. 22	O PARKET HERE			
Item	Description		: Quantity	Unit Price	Amount			
A	ASBESTOS : ASBESTOS PLM		/	12.00	12.00			
	1 Jan 20 20 20 A September 1985 Species September 1985		100					
n All A					F-10-10-10-10-10-10-10-10-10-10-10-10-10-			
	Appropriate the Bessel of the Control of the Contro			- 15 B A A S				
	1 200 = 2 21 1 ml T			2 - 85 PA dia				
	OSWER QA Level I	// / / /						
	Jurnayound limes: Verbal: 1	4 calendar days						
	Turnaround Times: Verbal: 1. hard copy: 21	alender Lay	3 4 5 7 5 5 5					
	0	,						
State of the								
					- 14.00			
			TOTAL		12.00			
• Laborat	ation (Continue on Back if Necessary): cory analysis not available within it ced only technical bidders. equested analyses bidder selected.	the TAT contra						
		TE SOURCES						
Item	Vendor		Comment		Amount			
A	CBC	higher b	id.		19.00			
Δ	Micro Air		38.00					
	71100 7110	Migres Di	higher bid					
					713g 13 - 10 a			
	11		71	2 1				
Printed Name of	Requestory MARY J. Ripp	Signature of Requi	estor: Mary	J. Kyps	e e			
Approved by De			1	0				
10	TX _ 5/23/90							
· G	11001/1/1/01/11	Trail						

REGION 5

77 West Jackson Boulevard

						CHAIN	OF CUST	ODY	REC	CORE)			Chicago, Illinois 60604				
PROJ. N	10.	PROJEC [*]	TNA	ME						,	/	1	/	/ / / Activity Code:				
		-			D . 3		NO			/	/	/	/					
EM 6628	HAA	DELL	=31	487	PREP		NO.			/	/	/	/					
SAMPLER	S: (Print	Name al	na Si	gn)			OF		1	3	/	/	/					
MI	600	10 NATES					0011		/	/	/	/	/					
-			0.				CON- TAINERS	100	/	//	//	//	/ /					
STA. NO.	DATE	TIME	COMP.	GRAB	STATIC	ON LOCATION	TAINLING	Analys	/	/	/	/	/	TAG NUMBERS				
1	5/17/	41155		1	PURE AS	bestos"		1	196					Results should be found				
								Salv	DEFI					to Main Jane Ripp				
					200									O Was Sweet Files				
												-	1					
									2.86	42			1					
													, N					
										Perk			10	9				
							44-7-7-											
									14									
													S					
			-									1						
						THE CASE OF												
														2000年 2000年 1000年 100				
					Parket Services			-										
Relinquish	ed by: (S	Signature)		Date / Time	Received by: (Signature	e)					Si	nip To	STAT Analysis Coip.				
- 1/14	coh	My												2201 W. Compbell Park Dr.				
Relinquished by: (Signature) Date / Time Received by: Relinquished by: (Signature) Date / Time Received for					Received by: (Signature	e)							Chiago 14 160612					
					The Carlo								TTNI-	SCIT ROHLE				
Relinquishe	ed by: (S	Signature)		Date / Time	Received for Laboratory (Signature)	y by:	5/	1	/ Tim	ne :45	Ai	ATTN: Scott Kathirt Airbill Number					
						X 1/00 x		16	0/91	1	AM		nain c	of Custody Seal Numbers				
	Distribu	ition: Whit	ie - Ac	comp	anies Shipment; Pin	k - Coordinator Field Files; Y	ellow - Labora	atory F	ile			7		137 17913 (A				
													1 90 14					

District Pass							CHAIN	N OF CUS	TODY	RE	CORI)		Chicago, Illinois 60604
PROJ. N	VO.	PROJEC'	TNA	ME								/	/	/ / / Activity Code:
EINOSZSFAA SELESIAN PREP										/	/	/		
EIN 6828	FAA	DELE	1311	IN	TREL			NO.			/	/	/	
SAMPLER	S: (Prin	t Name ar	nd Si	gn)				OF		,	124	/ /	/ /	
NAFI	MAN	CINI						OI .		/	/	/	/	
1711	e (14)	mys						CON-	i	/	1	/	/	
		0	<u>a</u> .	B				TAINERS	1	5	/ /	//	/	
STA. NO.	DATE	TIME	NO	1 A		STATIO	N LOCATION		45	2	/	/	/	
			Ö	0					1	/	/			/ TAG NUMBERS
1	5/17/9	(1155		1	"PURE	= Asb	estos"	11	1					Results should be faxed
							Market State							to Mary Jane Ripe-
								THE RE						
								100						
						100		W 3. 2		100				
										E dro				
								70 3		3				
													1100	
					11/2			7	1					
												1		
	15												4	
					2 136									
Relinquish	ed by: (S	Signature)		Date / T	ime	Received by: (Signature	e)					SI	hip To: STAT Analysis Corp.
With Minor										2201 W. campbell Park Dr.				
Relinquish	ed by: (5	Signature)		Date / T	ime	Received by: (Signature	e)			100			Chican IL 6061Z
						- Aller								TIN: SCOTT ROLLICE
Relinguish	OF CONTAINERS STATION LOCATION OF CONTAINERS													
					, -,	5/	1							
				1			-1//		10	190	11	011		
	D: 1."				. 01					- 1	1	1100		
	Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File										179437 179436			

ECOLOGY & ENVIRONMENT, INC. LABORATORY SERVICES REGLEST Project Name: Selesian Piep. Location (city/county/state): CEDAR, LAKE, MAKE (OUNIV, INDIANA Team Leader: MIRE MANGIN) OSC: W. SIMGS Analytical TDD/PAN: TD5 - 9405-811 Date Form Submitted: 5/18/14 Date Report Due: NO HURRY

Matrix	Parameter/Method	Sampling Date	Sample Shipment Date	Data Verbal	Deadline Hard Copy	Detection Limit	QA Level	# Samples Collect	MS	MSD	Fld Dup	Blk	Tot. # Smpl
aspestos -	aspestor.	/ ,	×5/19	14	21		A	4/				4	4
											4		
								Line and the second		2 38			
							* :						